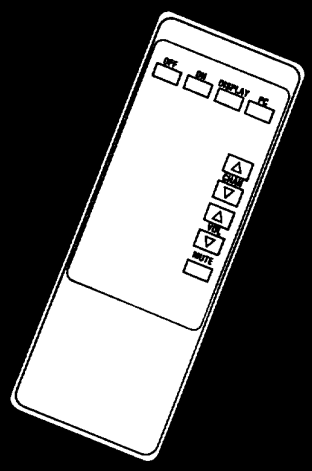
RCA

Color TV Owner's Manual

Features pp. 2

Complete Operator's Guide and Reference Manual pp. 8-18

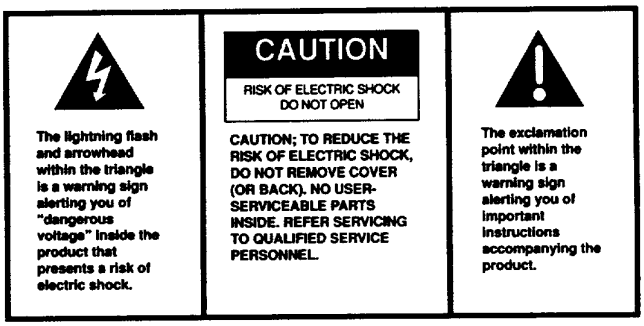


Accessories and Order Form pp. 19-20

Safety Precautions

WARNING: To prevent fire or shock hazard, do not expose this TV to rain or moisture.

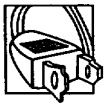
If you suspect that liquid has entered the TV, unplug it immediately and have it inspected by an RCA TV Servicenter. Turning it off is not enough – your TV has power applied to some circuits even when the TV is turned off.


The lightning flash and arrowhead within the triangle is a warning sign alerting you of "dangerous voltage" inside the product that presents a risk of electric shock.
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

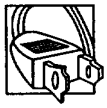
CAUTION: Maintain electrical safety. Powerline-operated equipment or accessories connected to this unit should bear the UL listing mark or CSA certification mark on the accessory itself and should not have been modified so as to defeat the safety features. This will help avoid any potential hazard from electric shock or fire. If in doubt, contact qualified service personnel.

Note to Cable TV Installer: This reminder is provided to call your attention to Article 820-22 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

- Your TV operates on 120 volts, 60 Hz AC power (normal house power) and has a polarized AC plug. Because one blade of the plug is wider than the other, the plug fits into the wall socket only one way. Do not defeat the safety feature of this plug. If you need an extension cord, make sure it is polarized.



CAUTION: To prevent electric shock, do not use the polarized plug on this TV with an extension cord, receptacle, or other outlet unless both blades can be fully inserted to prevent blade exposure.



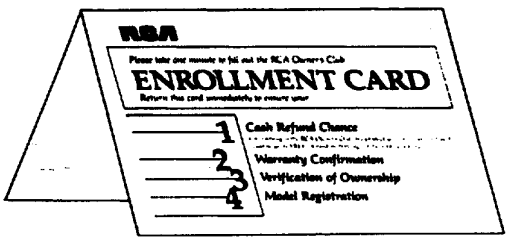
MISE EN GARDE: Pour prévenir les chocs électriques, ne pas utiliser la fiche polarisée de cet appareil avec une rallonge, une prise de courant ou une autre sortie, à moins que les lames ne puissent être insérées à fond sans qu'aucune partie ne soit laissée à découvert.

- All operating controls and their functions are identified and explained in this manual. For warranty service or routine maintenance, contact the nearest Authorized RCA TV Servicenter. All servicing and adjustments to electrical components should be done by a qualified service technician.

RCA Owner's Club

Mail Your Enrollment Card Today

- An *RCA Owner's Club Enrollment Card* is packed with your set. Please fill out the card and return it immediately.
- Your name then will be enrolled in the next drawing, which takes place every three months. If your name is drawn, you will be reimbursed for the *full purchase price* of your new RCA product (restricted to residents of USA only).
- Your prompt submission of this card confirms your right to the protection available under the terms and conditions of the warranty and also allows us to contact you in the unlikely issuance of a safety modification.
- With your card on file, we can also help you in the event of loss or theft by verifying your ownership.
- If you did not receive an RCA Owner's Club Enrollment Card, please contact your dealer.



Attach Your Sales Receipt Here and File at Home For Future Reference

- To obtain warranty parts and service, you must show your sales receipt (or other evidence of purchase) to your Authorized RCA TV Servicenter.
- Tape or staple your sales receipt to this manual so you will have it handy should service ever be needed. **Do not mail your sales receipt to us.** File it at home with your owner's manual for future reference.

Record Vital Information Here

- No other set has the same serial number as yours. You will find the serial number and the model number on the back of your set (and pre-printed on your Enrollment Card).
- Make sure you record both numbers below so that you will have them in case your set is stolen or in case you need a complete description for any other reason.

Model: _____

Serial: _____

Purchase Date: _____

Dealer Name/Address/Phone: _____

_____

_____

Introduction

Thank you for choosing RCA

Congratulations on your purchase of an RCA TV. You have selected a high-quality, precision-engineered instrument designed to give you years of video and audio enjoyment.

Despite its sophistication, your new TV is amazingly simple to operate because it has so many automatic features. To simplify operation even more, the TV provides on-screen prompts that guide you thru each step of the special functions. The remote control allows adjustment of major operating controls from the comfort of your favorite easy chair.

About This Manual

To take full advantage of all the features and benefits of this unique TV, be sure to read this owner's manual carefully and then keep it in a safe place for future reference.

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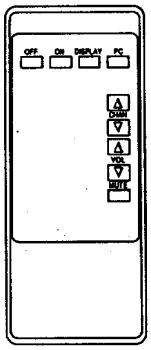
Television Features

Square-Corner COTY Picture Tube–COTY (Combined Optimum Tube and Yoke) picture tube technology produces a sharp, brilliant color picture. The square-corner screen delivers a noticeably larger viewing area than a conventional round-cornered picture. The COTY design also improves reliability and picture definition. Hi-Con™ picture tube screen is tinted to enhance contrast when set is on and add a dramatic high-tech look when set is off. Dark screen absorbs room light for a vivid color picture.

Digital Remote Control–provides across-the-room operating convenience from the comfort of your favorite easy chair.



Cable-compatible Quartz Tuning–receives up to 147 channels in the USA including 91 non-scrambled cable channels. Quartz synthesizer tunes the channels, and digital counters and comparators automatically lock the tuning system to the signal.

Total Electronic Convenience–Now it's easier than ever to control your TV's functions and adjustments. With this sophisticated all-electronic control system, on-screen prompts and displays are available on command to provide a visual guide for precise adjustment and quick, simple operation.

Special On-screen Displays–This TV delivers an array of additional convenience features, also accessed via the *SETUP* button. Special purpose features include:

- **AutoProgramming**–Auto-start AutoProgramming locks in active channels the very first time the set is turned on, so there are no cumbersome set-up procedures. For added convenience, the tuner automatically selects cable or off-air mode during AutoProgramming. The TV will reprogram the tuner automatically in the event its memory is erased (due to a power failure or other cause).

  AUTOPROGRAM PUSH +

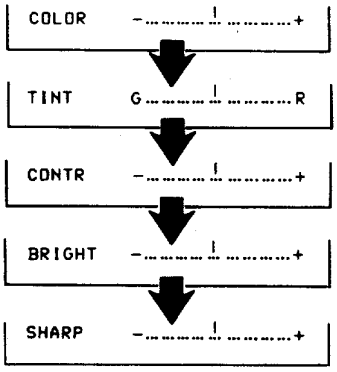
- **Channel Memory**–lets you conveniently alter the AutoProgramming scan list in the electronic tuner memory to eliminate those channels you wish to skip or add channels not present during AutoProgramming (such as a VCR on channel 3 or 4).

  CHAN MEMORY: STORED

- **Cable/Air Switching**–instantly switch from cable to off-air broadcast mode to tune in local channels not carried by your cable system. This feature operates automatically during autoprogramming.

  CABLE/AIR: CABLE

Electronic Video System Controls–Color, Tint, Contrast, Brightness, and Sharpness adjustments are accessible from a single *VIDEO* button, eliminating several old-fashioned knobs.



Automatic Picture Reset–lets you quickly change all picture settings back to the levels preset at the factory.

PICTURE RESET

Automatic Contrast/Color Tracking–Once the picture is set to your preference, the unified contrast/color tracking circuitry balances contrast, color, and overall brightness with a single contrast adjustment.

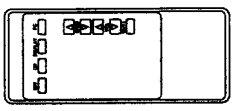
BlackLock Contrast Circuit–enhances the picture by preserving detail, controlling distortion when the picture is very bright, and preventing dark areas from fading to shades of gray.

Unitized XtendedLife™ Chassis–features advanced technology, including several microchips that replace dozens of components. Cool-operating electronic regulation circuits enhance reliability and efficiency for outstanding performance, longer life expectancy, and lower power consumption.

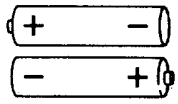
General Installation Information

Unpacking TV

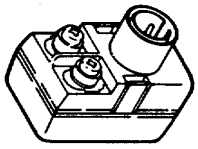
Shown here are the accessories that come packed with your TV. When you unpack your new set, be sure you have removed all the accessories and information sheets. We recommend that you save the packing materials and box in case you ever need to ship or store your TV.



Remote Control



Two Batteries
for Remote Control



Antenna Adapter

Replace adapter only with
RCA stock #193983.

Choosing the Best Location

- Choose a location that is convenient but away from sources of heat such as direct sunlight and heating units.
- Allow for air circulation around the set. This is especially important if you install it in a cabinet with several other components. Cleaning the ventilation slots on the cabinet at regular intervals will help assure adequate ventilation.
- To prevent electric shock, avoid wet areas such as kitchens or bathrooms.
- Try to avoid direct light on the screen during operation. Because the picture tube emits light, direct light on the screen will weaken picture quality and intensity.
- If you are using an indoor antenna, an outside wall is a good location. You may want to try a few different locations to find the best possible spot for reception.

Note: Your TV operates on 120 volts, 60 Hz (normal household current) and has a polarized plug. Because one blade of the plug is wider than the other, the plug fits into the wall socket only one way. Do not defeat the safety feature of this plug. If you need to use an extension cord, make sure it is polarized.

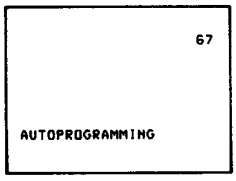
First-Time Operation

Your TV has been designed with a special convenience feature that will automatically program active channels into your television's memory the first time you turn it on. To use this feature:

1. Attach antenna(s) or cable-TV system to back of TV.
2. Then plug power cord into wall outlet.
3. Press *POWER* button to turn on TV. Your TV will automatically cycle through all channel numbers and place active channels into the Channel Scan Memory.

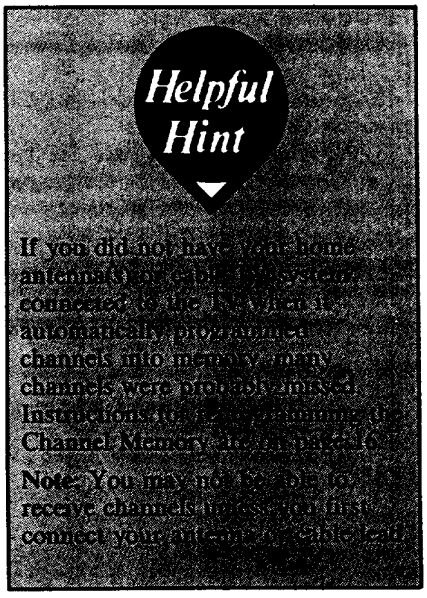
The Channel Scan Memory is the list of channels your TV will stop on when you press the *CHANNEL* ∧ or ∨ buttons.

This display will appear on the screen while your TV is autoprogramming active channels.



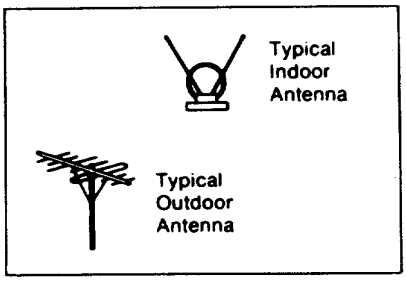
When your TV is finished autoprogramming, it will tune to the lowest channel number in its Channel Scan Memory. You can check the channels in memory by pressing the *CHANNEL* ∧ or ∨ buttons. Your TV will stop on each channel in memory.

You can also add or erase individual channels as desired. Details are on page 17.



Antenna/Cable Information

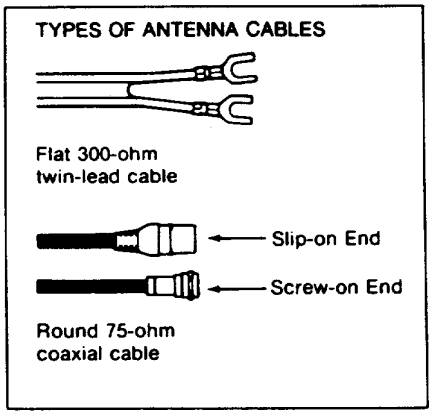
The antenna is the "signal receiver" for television. Most modern TV antennas receive both VHF (*Very High Frequency*) and UHF (*Ultra High Frequency*) channels. Channels 2-13 are VHF channels and channels 14-69 are UHF channels.



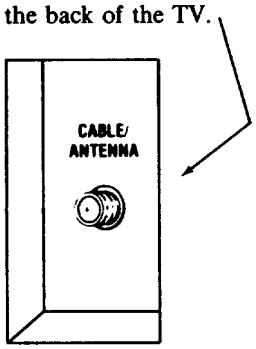
In most situations you will get better picture quality if you use an outdoor antenna or connect your TV to a cable-TV system.

Cable-TV (CATV) supplies television signals directly by cable without the need for a home antenna. Cable-TV delivers both VHF and UHF channels and other channels not available from your antenna.

Shown below are two basic types of antenna cables. Signals from a home antenna may be conducted through either type. Cable-TV signals, however, are always conducted through round, 75-ohm coaxial cable.



Use the connector shown below to connect your antenna or cable-TV system to the back of the TV.



- Follow the instructions below if you intend to connect an optional dipole antenna such as #156265.

—or—

- Follow the instructions on page 5 if you intend to connect another type of home indoor or outdoor antenna to your TV.

—or—

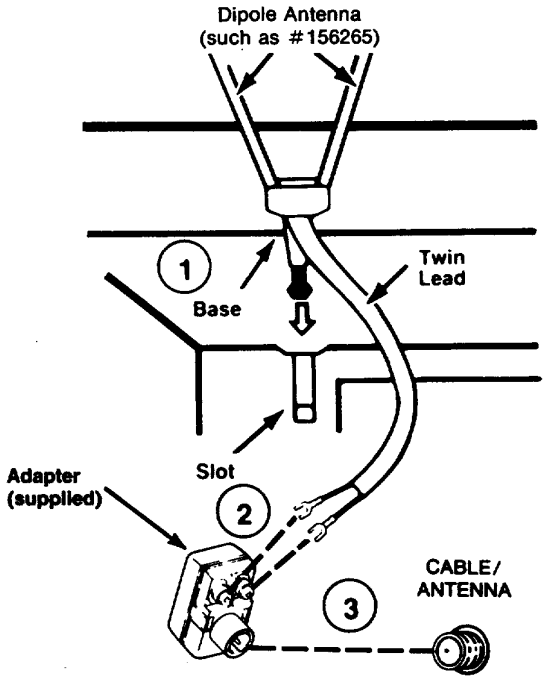
- Follow the instructions on page 6 if you intend to connect a cable-TV system to your TV.

Connecting an Optional Dipole Antenna

The optional dipole antenna is available from your RCA dealer.

1. Insert the antenna base into the pocketed slot on the back of your set. Stand at the back of your set, with the antenna twin-lead facing you, press the base of the antenna into the slot until it locks in place.
2. Connect the ends of the twin-lead to the Antenna Adapter (supplied).
3. Connect the Antenna Adapter to the *CABLE/ANTENNA* connector on the back of the TV.
4. Later, after you've turned on the TV, adjust the length and position of the antenna rods for best reception.
   - For viewing VHF channels, extend the rods fully.
   - For viewing UHF channels, shorten the rods for best reception.

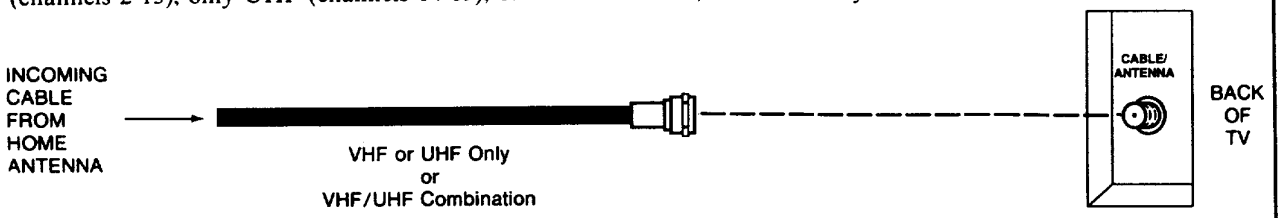
Note: The optional dipole antenna (RCA #156265) is designed to fit and lock into the slot in the back of your TV.



Home Antenna Connections

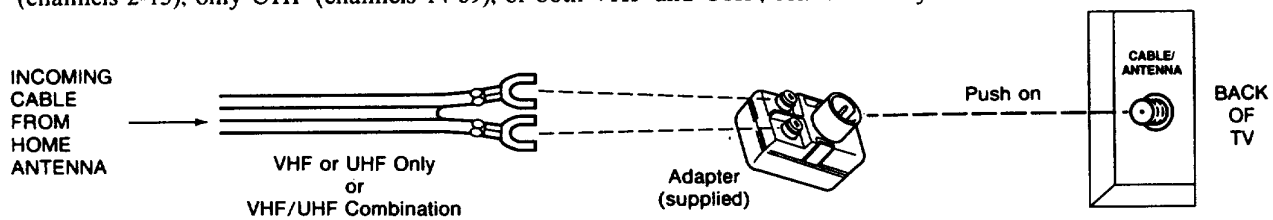
Follow one of the steps below to connect an indoor or outdoor antenna to your TV (only if you do not have a cable-TV system).

A If the antenna cable coming from your home antenna is a 75-ohm round coaxial cable that carries only VHF (channels 2-13), only UHF (channels 14-69), or VHF and UHF, connect it to your set like this:



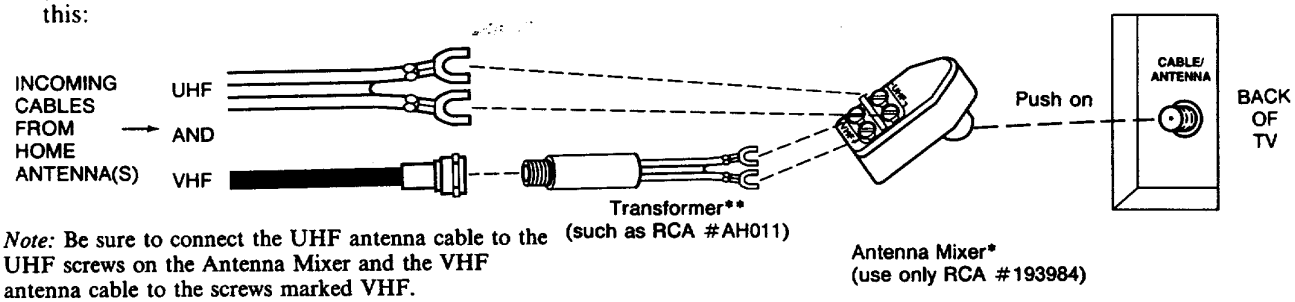
–OR–

B If the antenna cable coming from your home antenna is a 300-ohm flat twin lead that carries only VHF (channels 2-13), only UHF (channels 14-69), or both VHF and UHF, connect it to your set like this:



–OR–

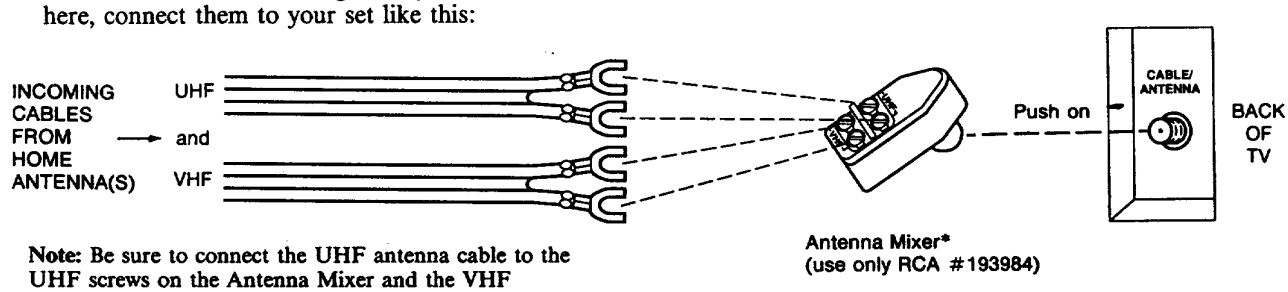
C If the antenna cables coming from your home antenna(s) are a 75-ohm round coaxial cable that carries VHF (channels 2-13) and a 300-ohm flat twin-lead cable for UHF (channels 14-69), connect them to your set like this:



Note: Be sure to connect the UHF antenna cable to the UHF screws on the Antenna Mixer and the VHF antenna cable to the screws marked VHF.

–OR–

D If the antenna wires coming from your home antenna(s) are two 300-ohm flat twin-lead cables as shown here, connect them to your set like this:



Note: Be sure to connect the UHF antenna cable to the UHF screws on the Antenna Mixer and the VHF antenna cable to the screws marked VHF.

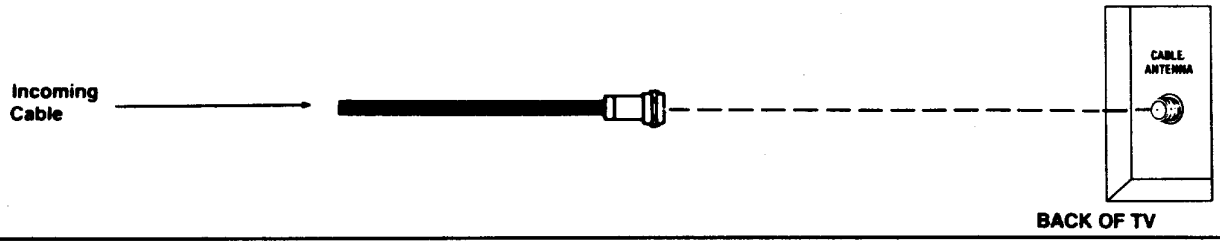
*⚠ Optional accessory available from your RCA Dealer. Only use RCA Antenna Mixer (Stock #193984).

**Optional accessory available from your RCA dealer or electronic supply store.

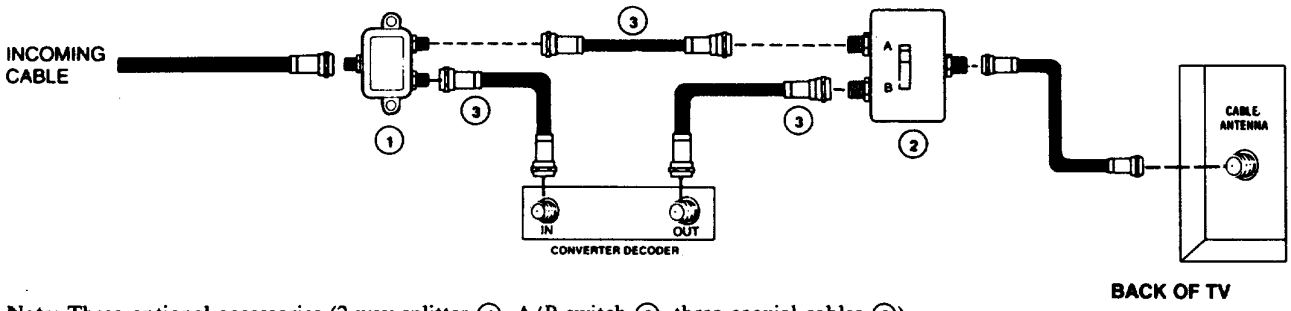
Cable-TV Connections

Follow one of these steps to connect a cable-TV system to your TV instead of a home antenna. Note: Since cable-TV systems vary, you may wish to consult your local cable-TV company for additional information.

A Follow this diagram if your cable company does not require a converter/decoder box (no scrambled channels):



B Follow this diagram if your cable company requires a converter/decoder box for scrambled "premium" channels:



Note: These optional accessories (2-way splitter ①, A/B switch ②, three coaxial cables ③) are available as a kit under RCA #AH038BL.*

- The "A" position on the A/B switch lets you select all non-scrambled channels by remote control.
- The "B" position allows you to select scrambled channels via the converter box. Remember to tune your TV to the output channel of the converter box (usually 2, 3, or 4) when selecting channels via the converter box.

*Optional accessory available from your RCA dealer or electronic supply store.

Cable-TV Operation

Your new TV is designed to receive up to 147 channels including 91 non-scrambled cable channels (see chart below). To use this TV on a cable-TV system, confirm that the cable-TV system is properly connected to your TV. Since cable systems vary, you may wish to consult your local cable-TV company for additional information.

If your cable-TV company follows EIA/NCTA channel-identification standards, most of the channels offered by your cable company will be identified by channel numbers that are identical to those on your TV. For example, if your cable-TV system has programs on cable channel 20, you can choose this channel by selecting channel 20 on your TV. If your cable company offers cable channels A-1 or A-2, you can tune them by selecting TV channels 99 or 98.

Some cable-TV companies do not follow the EIA/NCTA standards and instead assign their own channel identification. For example, some use the standard broadcast channel numbers (2-13) for channels 2-13, but identify their other channels with letters. If your cable company does not follow the EIA/NCTA standards, ask them for a cross reference that shows to which channels you should tune your TV to receive their cable-TV channels.

Not all cable-TV channels will be active on your particular cable-TV system. Also some cable companies may require the use of a decoder with their cable-TV system. Consult your cable company or local dealer for details.

Scrambled Cable-TV Channels

Some cable companies offer "premium-pay" channels in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device which is generally provided by the cable company.

The descrambler device may or may not be a part of the cable converter. Diagram B on page 6 shows how to connect this type of converter/descrambler device to the TV.

To do so, you'll need a 2-way splitter, an A/B switch, and suitable lengths of coaxial antenna cables. These accessories are available from most electronics supply stores.

Since cable systems vary, you may wish to consult your local cable company for additional information.

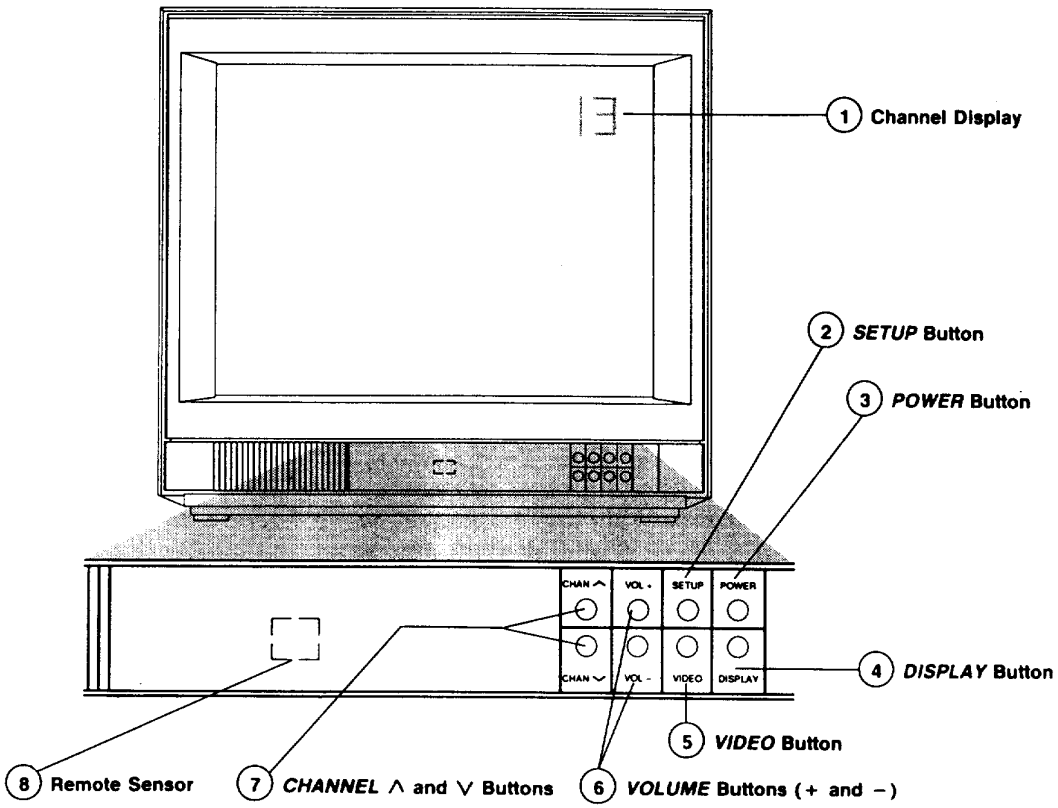
The chart below lists the "total" channel and cable count.

Channels	Off Air	Cable
• Low VHF A-8 (Channel 01)	–	1
• VHF (Channels 2-13)*	12*	12*
• UHF (Channels 14-69)	56	–
• Low Midband A-2, A-1 (Channels 98-99)	–	2
• Midband (Channels 14-22 or A-I)	–	9
• Superband (Channels 23-36 or J-W)	–	14
• Hyperband (Channels 37-64 or W+1 to W+28)	–	28
• Ultraband (Channels 65-89 or W+29 to W+53)	–	25
Total*	68	91

* VHF is only counted once in total channel count because you can receive channels 2-13 on both "off-air" and "cable" channels. Therefore, the "total" channel count for "off-air" and "cable" is 147 channels (68+91−12 = 147).

Front Panel Controls

Shown here are the front-panel controls. The controls on your set will resemble the picture shown below. You can use either the front-panel controls or the remote control to operate the TV.



Front Panel Controls (continued)

① **Channel Number Display**
- Shows the number of the channel you're watching.
- Appears whenever TV is turned on, channel is changed, or *DISPLAY* button is pressed.
- Also appears whenever you change volume with the *VOLUME* buttons on the TV.

② ***SETUP* Button**
- Press repeatedly until the function you want appears on the screen.
- Function choices will appear in this order:
  1) AutoProgramming Channel Memory,
  2) Adding or Erasing Channels in Channel Memory, and
  3) Changing Cable/Air Setting.
- Details about using each function begin on page 14.

③ ***POWER* Button**
- Press once to turn on TV.
- Press again to turn off TV.

④ ***DISPLAY* Button**–Press to display channel number on the TV screen.

⑤ ***VIDEO* Button**
- Press repeatedly until the video function you want appears on the screen.
- Function choices will appear in this order:
  1) Color Adjustment,
  2) Tint Adjustment,
  3) Contrast Adjustment,
  4) Brightness Adjustment,
  5) Sharpness Adjustment,
  6) Picture Reset (returns picture controls to their factory settings).
- Details about using each function begin on page 12.

⑥ ***VOLUME* Buttons (Also "–" and "+" Buttons)**
- Press *VOLUME* + to increase volume.
- Press *VOLUME* – to decrease volume.
- The – and + buttons are used to make adjustments after the *VIDEO* or *SETUP* button is pressed.

⑦ ***CHANNEL* ∧ and ∨ Buttons**
- Press *CHANNEL* ∧ to see the next higher channel in memory.
- Press *CHANNEL* ∨ to see the next lower channel in memory.

⑧ **Remote Sensor**–Receives commands from the remote control. When using the remote control, point it toward this sensor.

Basic Remote Operation

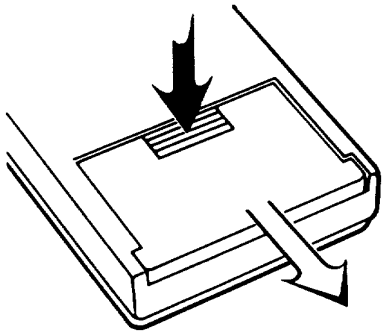
Before attempting to operate your remote control, install the batteries as shown here.

Helpful Hint

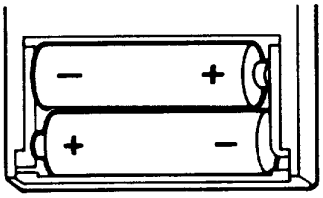
The remote control produces an invisible (infrared) beam that travels in a straight line much as the beam of a flashlight. For this reason, when operating the remote control, you must point it directly at the front of the TV without objects between that can block the infrared light beam.

Installing/Replacing Batteries

1. Turn the remote control face down.
2. Press down on the ridged area of the battery cover and slide it off.



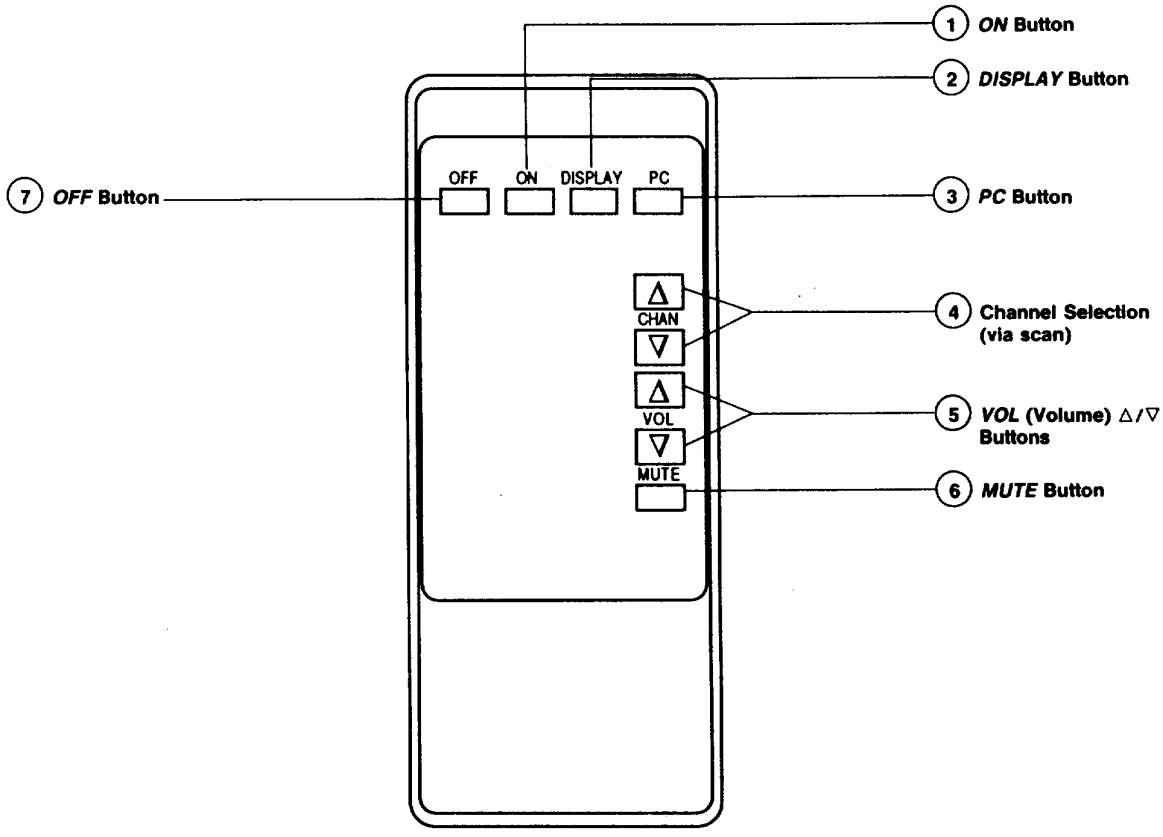
3. Install two "AAA" batteries as shown. Make sure you match the + end of each battery to the + end of the battery compartment.



4. Replace the cover and turn remote over–face up.

Notes:

- Never place anything heavy on top of the remote control or lay it upside-down. This may accidentally depress the buttons for a long time and discharge the batteries.
- Replace the batteries when the TV fails to respond to the remote control.
- Remove the batteries from the remote control if it will not be used for a month or more. This will prevent possible damage from battery leakage.



Basic Remote Operation (continued)

① ***ON* Button**
- Press to turn on TV.

② ***DISPLAY* Button**
- Press while TV is on to display the channel number on the screen.
- Also removes channel number and menus from the screen if they are displayed.

③ ***PC* (Previous Channel) Button**
- Pressing the *PC* button causes the TV to change back to the last tuned channel. This is useful should you want to monitor two channels.
- To operate, press *CHAN* △ or ▽ to select the first channel. Then ***press and hold*** *CHAN* △ or ▽ until the other channel appears.
- The TV will now change back and forth between the two channels each time you press the *PC* button.

④ **Channel Selection (via Scan)**
- Press *CHAN* △ to select the next higher channel in channel memory.
- Press *CHAN* ▽ to select the next lower channel in channel memory.

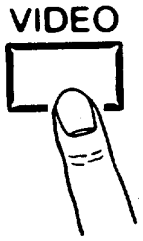
⑤ ***VOL* (Volume) △/▽ Buttons**
- Press *VOL* △ to increase volume.
- Press *VOL* ▽ to decrease volume.

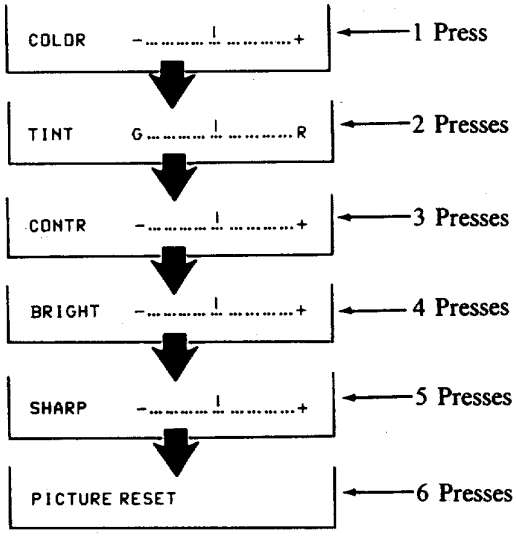
⑥ ***MUTE* Button**
- Press *MUTE* to quickly reduce sound to minimum level without affecting the picture.
- This is very useful during telephone calls or other interruptions.
- When sound is muted, the word "MUTE" will be displayed in the bottom left corner of the screen.
- To restore sound, press *MUTE* again or press *VOL* △.

⑦ ***OFF* Button**
- Press the *OFF* button to turn off the TV.

VIDEO Button - General Instructions

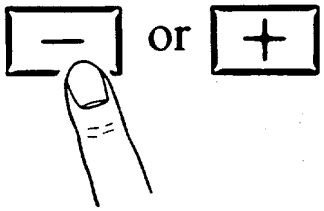
VIDEO Button

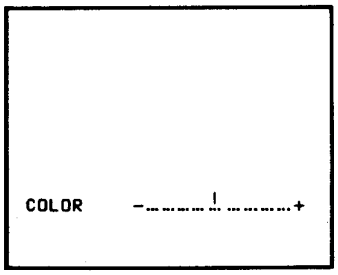




1. Repeatedly press the *VIDEO* button on the front of the TV until the function you want appears on the screen.

The on-screen displays will appear in this order as you press the *VIDEO* button.





2. Press the "–" or "+" button on the front of the TV to adjust the function appearing on the TV screen.

Notes:

- The on-screen display will automatically disappear from the screen if you do not press "–" or "+" within a few seconds.
- Whenever a display disappears from the screen, the "–" and "+" buttons on the TV become the *VOLUME* adjustment buttons.

- Press the "–" button to decrease a function.
- Press the "+" button to increase a function.

The display will automatically disappear in a few seconds unless you press "–" or "+" again.

Note: The Picture Reset function is explained on the next page.

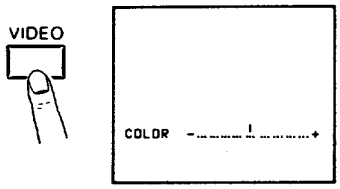
Adjusting Video (Picture) Functions

VIDEO Button

Color Adjustment

The Color function adjusts the amount of color in the picture.

1. Press the *VIDEO* button once. The Color graph will appear on the TV screen.

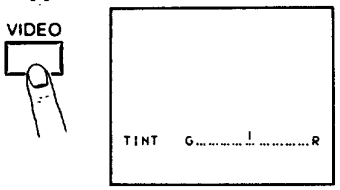


2. Press "−" button to decrease color, or press "+" button to increase color.

Tint Adjustment

The Tint function adjusts the color of flesh tones.

1. Press the *VIDEO* button repeatedly until the Tint graph appears on the TV screen.

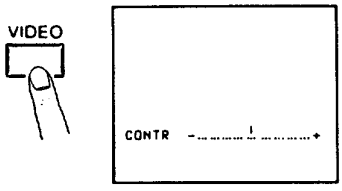


2. Press "−" to add more green tint, or press "+" to add more red tint.

Contrast Adjustment

The Contrast function adjusts the overall brightness and contrast of the picture.

1. Press the *VIDEO* button repeatedly until the Contrast graph appears on the screen.

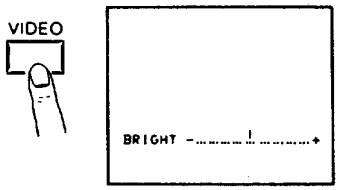


2. Press "−" button to decrease contrast, or press "+" button to increase contrast.

Brightness Adjustment

The Brightness function adjusts the brightness of the dark portions of the picture.

1. Press *VIDEO* button repeatedly until the Brightness graph appears on the TV screen.

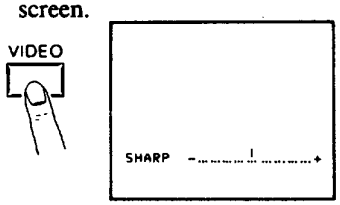


2. Press the "−" button to decrease brightness, or press the "+" button to increase brightness.

Sharpness Adjustment

The Sharpness function adjusts picture sharpness.

1. Press the *VIDEO* button repeatedly until the Sharpness graph appears on the TV screen.



2. Press the "−" button to decrease sharpness, or press the "+" button to increase sharpness.

How to Adjust for a Color Picture that Pleases You

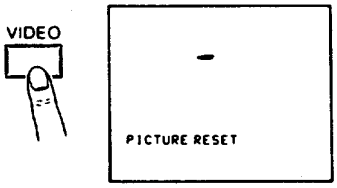
1. Decrease Color to minimum. This will leave a black-and-white image on the screen.
2. Adjust Contrast until the picture pleases you.
3. Adjust Brightness until the black parts of the picture appear black. You may need to wait until the picture shows something you're sure is black to make this adjustment. Be careful not to lose the details in darkly shaded areas.
4. Increase Color until you reach a pleasing level of intensity.
5. Adjust Tint until flesh tones or other color objects appear natural.
6. Adjust Sharpness for a pleasing level of picture sharpness.
   - For normal viewing, adjust to midrange.
   - For a sharper picture, increase Sharpness.
   - For weak signals, the picture may be more pleasing with Sharpness decreased.

CAUTION: When using TV games, computers, and similar products with your TV, keep the Brightness and Contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high Brightness or Contrast setting, the image can be permanently imprinted onto the screen. These types of imprints are not covered by your warranty because they are the result of misuse.

Picture Reset

The Picture Reset function lets you quickly change the video functions (Color, Tint, Contrast, Brightness, and Sharpness) back to the factory settings.

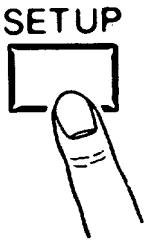
1. Press the *VIDEO* button repeatedly until the Picture Reset function appears on the TV screen.

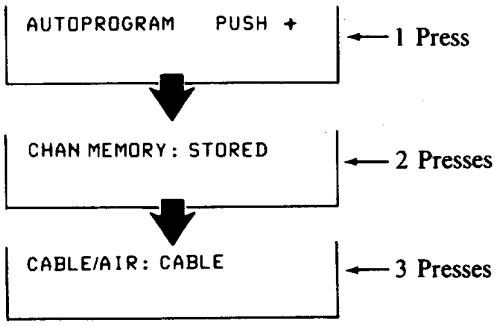


2. Press either "−" or "+" to reset the Video functions back to the factory settings.

SETUP Button - General Instructions

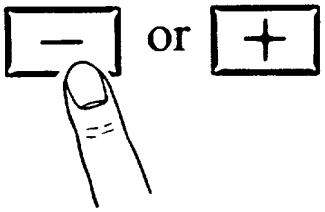
SETUP Button





1. Repeatedly press the *SETUP* button on the front of the TV until the function you want appears on the screen.

The on-screen displays will appear in this order as you press the *SETUP* button.



2. Press the "–" or "+" button on the front of the TV to adjust (or change) the function appearing on the TV screen.

Detailed instructions about each function begin on the next page.

Notes:

- The on-screen display will automatically disappear from the screen if you do not press "–" or "+" within a few seconds.
- Whenever a display disappears from the screen, the "–" and "+" buttons on the TV become the *VOLUME* adjustment buttons.

Changing Cable/Air Function

SETUP Button

Your TV is so automatic that you will probably never need to change this function. That's because when your set autoprograms the Channel Memory, it automatically adjusts the Cable/Air setting for you.

The Cable/Air function tells your TV whether you have a cable-TV system or a home antenna connected to it.

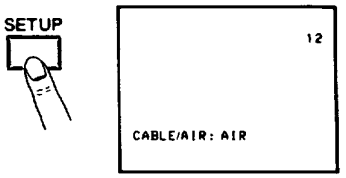
During AutoProgramming the TV automatically determines whether cable signals or antenna (air) signals are being received. It will then automatically set the Cable/Air function.

When the Cable/Air function is set to Cable, it allows the TV to receive cable channels. When the Cable/Air function is set to Air, it allows the TV to receive whatever TV channels (VHF and UHF) are broadcast in your area.

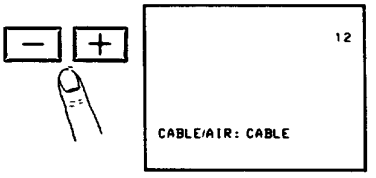
Normally you will never need to use this function because your TV automatically autoprograms itself and selects the Cable/Air setting the first time you turn it on (and after each extended power interruption). The Cable/Air function allows you to override the automatic settings and thus provides maximum flexibility should you desire to use your TV for special applications.

Changing the Cable/Air Function

1. Repeatedly press the *SETUP* button until the Cable/Air function appears on the TV screen.



2. Press either "−" or "+" to change the Cable/Air function.



Note: The Cable/Air function will change each time you press the "−" or "+" button.

Programming Channel Memory

SETUP Button

The Channel Memory is the list of channel numbers your TV will stop on when you press the *CHANNEL* ∧ or ∨ button. You can program any list of channels into the Channel Memory.

Your TV is so automatic that you will probably never need to manually operate this feature.

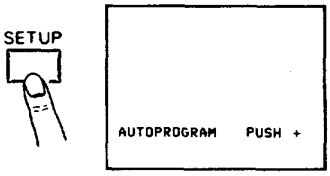
The first time you turn on your TV, it will automatically cycle through all channels and place active channels into the Channel Memory. You can then add or erase channels as desired by following the instructions on the next page.

Helpful Hints

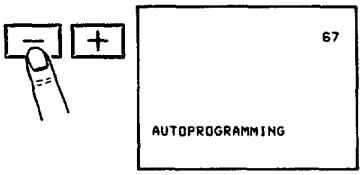
- The AutoProgramming feature will place into memory active channels that have a valid signal at the time you autoprogram your TV.
- An active channel may be missed occasionally if its signal is very weak or if the channel happens to be "off the air" when the TV is autoprogrammed.
- An inactive channel may be included in the channel memory if there happens to be some sort of "noise" or "stray signal" on the channel when the TV is autoprogrammed.
- Signals from scrambled cable channels may not be autoprogrammed.

1. AutoProgramming Channels into Channel Memory

1. Connect home antenna(s) or cable-TV to your set.
2. After you have turned on the TV and adjusted the volume, repeatedly press the *SETUP* button until the AutoProgram display appears on the screen.



3. Press either "−" or "+" to begin programming. The TV will cycle thru available channels in your area and place active channels into memory. If all available channels are of reasonable signal strength and you prefer not to add or erase any channels from memory, programming is complete.



4. When the TV is finished cycling, you can check to see what channels are in memory by pressing the *CHANNEL* ∧ or ∨ button. Your set will stop on each of the channels in memory.

Notes:

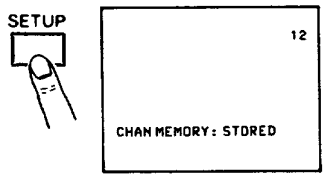
- Make sure the outlet you plug your TV into is "on" all the time (not on a wall switch) to prevent the TV from losing its channel memory.
- If there is an extended power failure, your TV will automatically reprogram active channels the first time you turn it on after the power failure.

2. Erasing/Adding Channels in Channel Memory

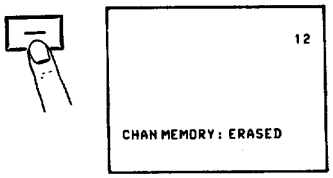
Erasing Channels

1. **To erase a channel,** first press the *CHANNEL* ∧/∨ button until the channel number you want to erase appears on the screen.

2. Then repeatedly press the *SETUP* button until the Channel Memory display appears on the screen.



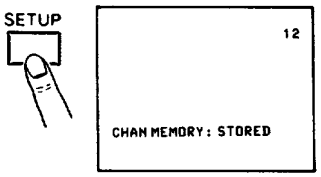
3. Then push the "−" button to erase that channel from memory.



4. Wait until Channel Memory display disappears from the screen. You can then check channels in memory by pressing the *CHANNEL* ∧ or ∨ button. If you want to erase another channel, repeat steps 1 thru 3.

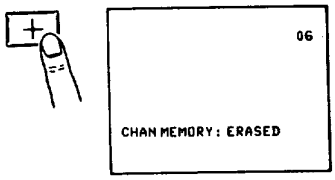
Adding Channels

1. Repeatedly press the *SETUP* button until the Channel Memory display appears on the screen.



2. **To add a channel,** press the *CHANNEL* ∧/∨ button until the channel number you want to add appears on the screen.

3. Then push the "+" button to add that channel to the memory.



4. If you want to add another channel, repeat steps 2 and 3.

Note: The Channel Memory display will automatically disappear from the screen in a few seconds after you have finished erasing or adding channels.

Additional Operating Notes

Using "−" and "+" Buttons on Front of TV

Helpful Hint

The "−" and "+" buttons are used after you have pressed either the *VIDEO* or *SETUP* button to change settings or make adjustments.

Whenever a display disappears from the screen, the "−" and "+" buttons *on the front of the TV* automatically become the *VOLUME* adjustment buttons. If the "−" or "+" button on the TV is pressed after the display has disappeared, the TV will change volume level.

If you want to make additional adjustments after a display has disappeared, press the *VIDEO* or *SETUP* button again to bring the display back to the screen. This will automatically activate the "−" and "+" buttons again.

Power Failures

These functions are not affected by brief power interruptions. After longer interruptions, the following occurs when power is restored:

Function	Condition After Extended Power Failure
• On/Off:	Set stays off when power comes back.
• Volume:	Volume returns to 1/3 of full volume.
• Channel Memory:.....	Set will automatically reprogram channel memory the first time it is turned on after an extended power failure.
• Previous Channel:	PC information must be reset.
• Color, Tint, Sharpness Contrast, Brightness: ...	Set goes to original Factory settings.

Cleaning and Care

Dust TV as required, using a soft cloth or the dusting attachment of your vacuum cleaner. Occasionally vacuum the ventilation slots in the cabinet to help assure adequate ventilation. Take care not to scratch the plastic surfaces.

If your TV's cabinet has a textured finish, do not use furniture polish. Because textured finishes are porous, using furniture polish could mar their appearance. They can be easily cleaned with a damp, soft cloth.

To clean the screen, you can wipe it with a damp, soft cloth. Then dry it with a soft cloth. (A mild soap may be used on the screen if it is extremely dirty.) You can also use a non-abrasive glass cleaner like Windex® or Glass Plus® with a soft cloth. Be sure to turn off the TV before cleaning the screen, and do not allow liquid to run down the screen and inside the TV.

A special antistatic cleaning polishing solution (AH035) is available for use on most TV screens and non-textured cabinets. This non-abrasive formula imparts brilliance, repels dust, and resists fingerprints. Lint-free polishing cloths are included.

AH035
Cleaner/Polisher

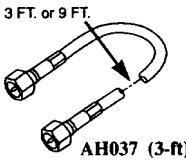
Do not use strong cleaners, polishes, or chemically-treated cloths to clean the screen or cabinet.

Avoid placing drinks or vases with water on top of your TV.

Accessory Order Form

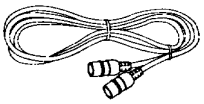
Antenna Cables

Screw-on Antenna Cable
Attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. The ends screw onto the connectors for a secure connection. Two lengths are available.



AH037 (3-ft)
AH008 (9-ft)

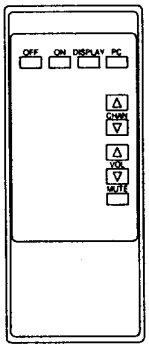
Push-on Antenna Cable
Attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. Ends push on for a quick connection. Gold-tipped cables are also available to provide lowest possible signal loss.



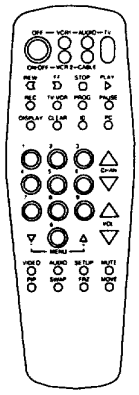
AH004 (5 ft)
Gold-Tipped Cables
AH065G (6-ft)
AH066G (10-ft)

Remote Controls

Remote Control (CRK53K)
This is the remote that came packed with your TV. You can use the order form to order it direct by mail if desired.

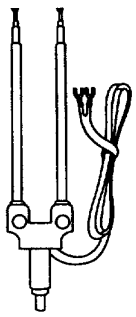


Remote Control (CRK59H)
This is an optional remote that can be programmed to control most brands of remote controllable VCR's and cable boxes. It also allows control of the TV's *VIDEO* and *SETUP* menus from across the room.



Antenna

Dipole Antenna (156265)
Designed to attach to the back of 20-inch* models. Can be used for both VHF and UHF channels.
* 20-inch models in the USA are referred to as 21-inch models in Canada.



Note: All specifications and descriptions of accessories are subject to change without notice

Accessory Order Form
(Book No. 1Q57 107-01B)

Description	Part No.	Price	Qty	Total
Push-on Antenna Cable (5-ft)	AH004	$10.95		
Screw-on Antenna Cable (9-ft)	AH008	$ 8.95		
Transformer (page 5)	AH011	$ 1.95		
Cleaner/Polisher (page 18)	AH035	$ 6.95		
Screw-on Antenna Cable (3-ft)	AH037	$ 3.00		
Cable Kit (page 6)	AH038BL	$16.95		
Gold-Tipped Antenna Cable (6-ft)	AH065G	$ 6.99		
Gold-Tipped Antenna Cable (10-ft)	AH066G	$ 8.99		
Optional RCA Remote Control (CRK59H)	RCU100	$69.95		
Dipole Antenna (page 4)	156265	$19.50		
Antenna Mixer (page 5)	193984	$19.45		
Replacement Remote Control (CRK53K)	194514	$37.30		

Prices are subject to change without notice

Total Merchandise ($10 Minimum Order) . . . . . $ _____

Sales Tax . . . . . $ _____

We are required by law to collect the appropriate sales tax for each individual state, county, and locality to which the merchandise is being sent.

Shipping, Handling, and Insurance . . . . . $ 4.50

Total Amount Enclosed . . . . . $ _____

Use VISA or MasterCard preferably. Money order or check must be in U.S. currency only. No COD or CASH.

All accessories are subject to availability.
Where applicable, we will ship a superseding model.

Detach Here

Please complete other side also

Accessory Order Form (continued)

Charge your order on your VISA or MasterCard by filling in below

USE YOUR CREDIT CARD

IMPORTANT: Copy complete account number from your VISA card

VISA

☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

My card expires: ☐☐ ☐☐

IMPORTANT: Copy complete account number from your MasterCard

MasterCard

☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Copy Number above your name on MasterCard ☐☐☐☐ My card expires: ☐☐ ☐☐

AUTHORIZED SIGNATURE

Prices are subject to change without notice.

PLEASE

Print or type your name and address clearly. This will be your mailing label.

A complete and correct order will save you days of waiting.

Name: _____

Street: _____

_____ Apt: _____

City: _____

State: _____ Zip: _____

Please make sure that both sides of this form have been filled out completely.

Detach Here

To order accessories, contact your local dealer.
If a dealer is not nearby, you can also follow the instructions below to order by telephone or direct-by-mail.

United States Orders

To place your order by phone, have your Visa or MasterCard ready and call the toll-free number listed below between 8AM and 5PM Eastern Standard Time. **Use this number only to place an order for accessory items listed on this order form.**

1 – 800 – 338 – 0376

Most times your order will be shipped UPS within 72 hours of receipt. If ever it is not possible to ship within 30 days, we will notify you with an update on your order and an option to cancel.

To place your order by mail, detach and mail the completed order form with credit card information, money order, or check in U.S. currency (made payable to Thomson Consumer Electronics) to the following address:

Video Accessories
PO Box 8419
Ronks, PA 17573

For more information on these accessories (or current prices), write to the following address:

Video Accessories Customer Service
Thomson Consumer Electronics
Distributor & Special Products
2000 Clements Bridge Rd
Deptford, NJ 08096-2088

Canadian Orders

For Canada inquiries, please call one of these toll-free numbers for information about accessories:

English: 1 – 800 – 668 – 5518
French: 1 – 800 – 668 – 5507

International Orders

This offer is valid only in the 50 United States. For international orders, please send your request for quotation (not an order) to:

International Customer Service
Thomson Consumer Electronics
Distributor & Special Products
2000 Clements Bridge Rd
Deptford, NJ 08096-2088 USA

Trouble Checks

- Troubles sometimes are caused by simple "faults" that you can easily correct without the help of a service technician by first checking a few basic remedies.
- Before you call or take your unit to an Authorized RCA TV Servicenter, look below for the type of trouble you are experiencing. Then perform the simple checks and adjustments listed for that trouble.
- *If your unit is still in warranty*, these checks and adjustments could save you time and the cost of an unneeded trip to the Servicer.They also could save you the cost of a diagnosis not covered by your warranty. (See "What does your warranty *not* cover" on the back cover page.)
- *If your unit is out of warranty*, these checks and adjustments could save you the cost of an unneeded diagnosis.
- If service should be necessary, the warranty information on the back cover page lists what your warranty covers and explains how to get service.

Trouble	Checks and Adjustments
TV will not turn on	• Check to make sure it is plugged in. • Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else. • Maybe batteries in remote control are "dead". • Maybe remote control was not aimed at remote sensor. (Press *POWER* button on front of TV.)
Intermittent or no remote	• Maybe something was between the remote and the remote sensor. • Maybe the remote was not aimed directly at the TV. • Maybe batteries in remote are weak or dead. Try replacing batteries.
Turns off while playing	• Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high (especially if you burn out a lot of light bulbs).
Blank Screen	• Try another channel.
No sound, picture okay	• Maybe sound is muted. Try pressing *VOLUME* ∧ button to restore sound.
Can't select certain channel	• Channel may not be in Channel Memory. • If using VCR, check to make sure *TV/VCR* switch on VCR is in correct position.
No picture, no sound	• Maybe someone changed *CABLE/AIR* function to wrong position. • Maybe a vacant channel is tuned. • If watching VCR (connected only through antenna input), make sure TV is tuned to channel 3 or 4–same as *CH3/CH4* switch on VCR. Also check to make sure *TV/VCR* switch on VCR is in correct position.
Sound okay, picture poor	• Check antenna connections. • Try adjusting *SHARPNESS* function to improve weak signals.
Picture okay, sound poor	• Try another channel.
Controls don't work	• Try unplugging set for 30 seconds and then turning it on again.

Limited Warranty

What your warranty covers:
- Any defect in material or workmanship.

For how long after your purchase:
- 90 days for labor charges.
- One year for parts.
- Two years for picture tube.

The warranty period for rental units begins with the first rental.

What we will do:
- Pay any Authorized RCA Television Servicenter the labor charges to repair your television.
- Pay any Authorized RCA Television Servicenter for the new or, at our option, rebuilt replacement parts and picture tube required to repair your television.

How you get service:
- Request in-home service from any Authorized RCA Television Servicenter. To identify your nearest Authorized RCA Television Servicenter, ask your Dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Show the service technician your evidence of purchase date.

What your warranty *does not* cover:
- Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your television. Any additional information should be obtained from your Dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your television.
- Damage from misuse or neglect.
- Remote control batteries.
- A television that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A television purchased or serviced outside the USA.

How state law relates to this warranty:
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your television in Canada:
- The Canadian Warranty applies in place of this Warranty.

1Q57 107-01B

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MANL OWNER

Si un livret d'instructions en français n'est pas inclus avec votre appareil, vous pouvez en obtenir un (INDIQUER LE NUMÉRO DE MODÉLE, VOTRE NOM, ET VOTRE ADRESSE) en vous adressant à:

Thomson Electronique Grand Public du Canada, Inc.
Service des donnees techniques
6540 Tomken Road
Mississauga, Ontario, Canada L5T 2E9

RCA

For your nearest RCA dealer or Authorized RCA Servicenter call toll free in U.S.A.

1 800 336 1900

RCA **Thomson Consumer Electronics**
600 N Sherman Dr, PO Box 1976
Indianapolis, IN 46206-1976

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